

The City of Baltimore Loch Raven Dam Rehabilitation Project Update: July, 2003

Over 28,000 Safe Hours Logged



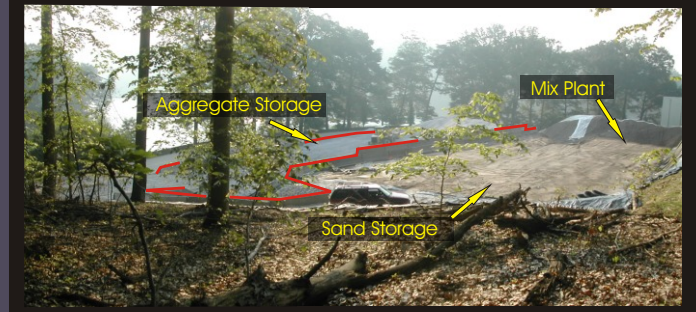
Project Focus: Getting Ready for RCC

Throughout the project site, preparations are underway for roller compacted concrete (RCC) placement this fall. RCC will be manufactured on site in an area behind the Zebra Mussel Facility. From there, fixed conveyors will transport the material directly to the dam, where a mobile conveyor will deliver the RCC directly to the spot it is needed.

The layout shown on the right (not to scale) shows the location of the storage area, mixing plant, and fixed conveyors in relation to the dam. Material delivered to the work area will then be dispensed using a mobile conveyor.



100-foot conveyors (shown above) will carry RCC to the dam. Nearly 1,000 feet of fixed conveyors will be required. Foundations and towers are being constructed to support the conveyors.



Material for RCC is now being stockpiled on site. The storage area is surrounded by an earthen dike and silt fencing to prevent runoff from entering the reservoir. Aggregate and sand, the two main components of RCC, must be stored separately, then mixed at the plant in an exact proportion. Approximately 18,000 cubic yards of aggregate and sand will be stored on site, then as RCC placement begins, these stockpiles will be supplemented until the east side is complete.

East Side Rock Anchors are In!

Installation of rock anchors on the east side was completed in May '03. This area is now ready for excavation in preparation for RCC placement.



Recently Completed Work

- East side rock anchor installation

Ongoing Work

- Excavation for RCC placement
- Conveyor installation
- Material hauling

Upcoming Work

- Concrete plant installation
- RCC placement - east side

Check out the new and improved website!

The LRD home page has moved - visit the new address below for regular updates!



The east abutment is nearly ready for RCC. Rock removal, as well as exposing and cleaning that part of the dam which has been buried for decades is almost complete.

<http://cityservices.baltimorecity.gov/dpw/lochravendam/lrdam.html>